

1. ****Which of the following is a correct way to start a comment in Python?****
 - A. `<!--`
 - B. `#`
 - C. `//`
 - D. `/*`

2. ****What does the following line of Python code do? `print("Hello, World!")`****
 - A. Sends an email saying "Hello, World!"
 - B. Displays "Hello, World!" on the screen
 - C. Calculates a math problem called "Hello, World!"
 - D. None of the above

3. ****Which data type would you use to store a numerical value that can also be a fraction in Python?****
 - A. Integer
 - B. String
 - C. Float
 - D. Boolean

4. ****What will the following code output? `print(8 % 3)`****
 - A. 2
 - B. 2.67
 - C. 5
 - D. 3

5. ****Which of the following is a valid variable name in Python?****
 - A. 2things
 - B. `_myvar`
 - C. my-var
 - D. None of the above

6. ****What keyword is used to create a function in Python?****
 - A. function
 - B. def
 - C. fun
 - D. create

7. ****What is the output of the following code? `print(len("AI"))`****
 - A. 1
 - B. 2
 - C. "AI"
 - D. Error

8. ****In Python, how do you create a loop that runs 5 times?****
 - A. `for i in range(5):`
 - B. `while i < 5:`
 - C. `loop(5):`
 - D. repeat 5 times:

9. ****How do you access the first element of a list named `myList`****
 - A. `myList[0]`
 - B. `myList[1]`

- C. `myList[first]`
 - D. `first(myList)`
10. ****Which operator is used to check if two values are the same?***
- A. `=`
 - B. `====`
 - C. `==`
 - D. `!=`
11. ****What is the output of the following code snippet? `print(True and False)`****
- A. True
 - B. False
 - C. True and False
 - D. 1
12. Which operator is used for exponentiation in Python?
- A. `^`
 - B. `%`
 - C. `**`
 - D. `&&`
13. ****What does the `append()` method do in Python lists?***
- A. Removes an item from the list
 - B. Adds a new item to the end of the list
 - C. Adds a new item to the beginning of the list
 - D. Sorts the list
14. ****What keyword is used to catch exceptions in Python?***
- A. catch
 - B. try
 - C. except
 - D. error
15. ****Which module in Python contains functions for working with numbers?***
- A. `num`
 - B. `math`
 - C. `number`
 - D. `calculate`
16. ****What is slicing in Python?***
- A. Cutting and pasting text from one place to another
 - B. Dividing a list into multiple smaller lists
 - C. Removing an item from a list
 - D. Retrieving parts of a sequence like a string or list
17. ****Which function converts a string into an integer in Python?***
- A. `intConvert()`
 - B. `toInt()`
 - C. `int()`
 - D. `strToInt()`

18. ****Which of the following is used to create a loop in Python that executes a set of statements as long as a condition is true?****

- A. for
- B. while
- C. repeat
- D. until

19. ****What will be the output of the following Python code? `print("Python"[1:4])`****

- A. Pyt
- B. thon
- C. ytho
- D. yth

20. ****How is a dictionary different from a list in Python?****

- A. Dictionaries can only store numbers.
- B. Lists preserve the order of elements, dictionaries don't.
- C. Lists can contain multiple data types, dictionaries cannot.
- D. Dictionaries are used for sorting data.